

BUILD DATA DASHBOARDS PROJECT REPORT

INSIGHT – 1:

<https://public.tableau.com/profile/chaitanya2847#!/vizhome/FlightCancellationsAndDiversions/FlightCancellationsAndDiversions?publish=yes>

From this scatter plot, we can find out how many cancellations and diversions were happened for all the airlines. We can also see the total distance travelled by the flights for each airline. It appears that southwest airlines flights have travelled the most distance (4,38,73,973) and have more cancellations (818) and diversions (181) than any other airline company.

I used scatter plot for the visualization because it is always better to use scatter plots when dealing with two quantitative variables. I added airlines to the colour picker and distance travelled to the shape picker in the marks shelf to improve the level of granularity in the scatter plot. Colours were selected automatically for different airlines and shapes were adjusted based on the total distance travelled.

INSIGHT – 2:

<https://public.tableau.com/profile/chaitanya2847#!/vizhome/DelaysByAirlinesAndAirports/DelaysByAirlinesAndAirports?publish=yes>

From this story, we can find out which airlines and airports have the most number of delays and we can also see for each airline which airport is causing more delays for their flights. It looks like Southwest airlines have the most number of airline delays (11,660) and Hawaiian airlines have the least number of airline delays (385). It also appears that Chicago O'Hare international airport is having highest number of delays (3407).

I used bar charts for the visualizations in this story since bar charts serve better which involves several categories with quantitative data. I used blue colour for my bar charts because using red, green or yellow colours would distract the audiences from the insight.

INSIGHT – 3:

<https://public.tableau.com/profile/chaitanya2847#!/vizhome/AllDelaysByStatesAndStateGroup/AllDelaysByStatesandStateGroup?publish=yes>

From this dashboard, we can find out total departure and arrival delays as well as total count of all other delays for all the states. It appears that state of Texas has the overall highest number of departure and arrival delays (5,60,060) and contains most number of all other delays (32,380).

I included calculated fields for both the row and column shelves. The row shelf contains the other delays calculated field which is sum of count of air system delays, airline delays, late

aircraft delays, security delays and weather delays. On the other hand, total departure and arrival delays calculated field is total sum of departure delays and arrival delays. I used scatter plot to plot both the calculated fields and grouped values in to a state group. I used a map to plot the state group and used blue, orange colours for the groups. Using other colours might distract the audiences from the insight.

RESOURCES: N/A